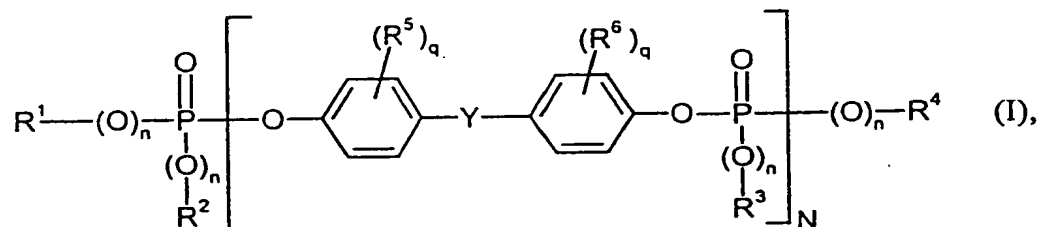


Patent Claims

1. Graft polymer-modified thermoplastic polycarbonate moulding compositions containing phosphorus compounds of the formula (I)



in which

R^1 , R^2 , R^3 and R^4 are mutually independently C_1 - C_8 alkyl, optionally substituted by halogen, C_5 - C_6 cycloalkyl, C_6 - C_{10} aryl or C_7 - C_{12} aralkyl, each optionally substituted by halogen and/or alkyl,

n mutually independently mean 0 or 1,

q mutually independently mean 0, 1, 2, 3 or 4,

N means 0.6 to 4,

R^5 and R^6 mutually independently mean C_1 - C_4 alkyl or halogen,

Y means C_1 - C_7 alkylidene, C_1 - C_7 alkylene, C_5 - C_{12} cycloalkylene, C_5 - C_{12} cycloalkylidene, -O-, -S-, -SO-, -SO₂- or -CO-.

2. Moulding composition according to claim 1, containing 0.5 to 20 parts by weight of phosphorus compound (I) or a mixture of phosphorus compounds (I).

3. Moulding composition according to claim 1, containing 1 to 18 parts by weight of phosphorus compound (I) or a mixture of phosphorus compounds (I).

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4. Moulding composition according to claim 1, containing 2 to 16 parts by weight of phosphorus compound (I) or a mixture of phosphorus compounds (I).

Sub A7
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5. Moulding composition according to claims 1 to 4, wherein N in the formula (I) means 0.9 to 2.5.

Sub A8
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6. Moulding composition according to claims 1 to 4, wherein N in the formula (I) means 1 to 1.15.

Sub A9
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7. Moulding composition according to one of the preceding claims, containing 0.5 to 60 parts by weight of graft polymer.

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8. Moulding composition according to claim 7, containing 1 to 40 parts by weight of graft polymer.

Sub A10
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9. Moulding composition according to one of the preceding claims, containing graft polymers of

5 to 95 parts by weight of a mixture of

50 to 95 parts by weight of styrene, α -methylstyrene, halo- or alkyl-ring-substituted styrene, C_1 - C_8 alkyl methacrylate, C_1 - C_8 alkyl acrylate or mixtures of these compounds and

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Sub A10
cont.

5 to 50 parts by weight of acrylonitrile, methacrylonitrile, C₁-C₈ alkyl methacrylate, C₁-C₈ alkyl acrylate, maleic anhydride, C₁-C₄ alkyl- or phenyl-N-substituted maleimide or mixtures of these compounds on

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5 to 95 parts by weight of rubber having a glass transition temperature of below -10°C.

Sub A11

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10 Moulding composition according to one of the preceding claims containing

A) 40 to 99 parts by weight of aromatic polycarbonate and/or polyester carbonate

B) 0.5 to 60 parts by weight of graft polymer of

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B.1) 5 to 95 wt.% of one or more vinyl monomers on

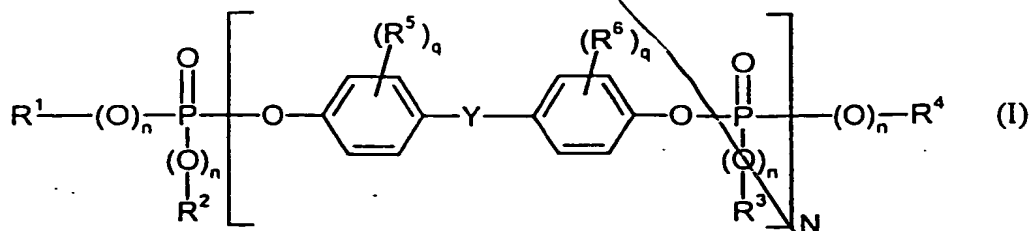
B.2) 95 to 5 wt.% of one or more grafting backbones having a glass transition temperature of <10°C,

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C) 0 to 45 parts by weight of at least one thermoplastic polymer selected from the group comprising vinyl (co)polymers and polyalkylene terephthalates,

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D) 0.5 to 20 parts by weight of a phosphorus compound of the formula (I)



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Sub A11
cont.

E) 0 to 3 parts by weight of fluorinated polyolefin.

Sub A12
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11. Moulding compositions according to one of the preceding claims, wherein Y in the formula (I) denotes isopropylidene or methylene.

Sub A13

12. Moulding compositions according to one of the preceding claims, containing a diene rubber, acrylate rubber, silicone rubber or ethylene/propylene/diene rubber or mixtures thereof as the grafting backbone B.2.

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Sub A14

13. Moulding compositions according to one of claims 1 to 12, wherein they contain at least one addition from the group comprising stabilisers, pigments, mould release agents, flow auxiliaries and/or antistatic agents, fillers and reinforcing materials.

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Sub A15

14. Use of the moulding compositions according to one of the preceding claims for the production of mouldings.

Sub A16
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15. Mouldings obtainable from moulding compositions according to one of the preceding claims.

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